

**DEALING WITH DYNAMIC MICROSIMULATIONS : DATA, METHODOLOGY AND TOOLS  
(INCLUDING LIAM2)**

*MiDaL PROJECT<sup>1</sup> : FINAL CONFERENCE<sup>2</sup>*

*Belval/ Esch-sur-Alzette (Luxembourg)*

*November 2011, 28<sup>th</sup> – 30<sup>th</sup>*

**SUMMARY**

The Conference “*Dealing with Dynamic Microsimulations : Data, Methodology and Tools (including LIAM2)*” is aiming to confront dynamic microsimulation developers’ needs and difficulties, on one side, and possible answers and tracks for future developments that new tools developed can offer, on the other side. Furthermore, it wants to give participants an insight in recent research developments in microsimulation in European countries.

The conference is partially building on the results of a two-year PROGRESS Project, MiDaL, undertaken by the General Inspectorate for Social Security (IGSS, Luxembourg), the CEPS/INSTEAD (Luxembourg) and the Federal Planning Bureau (Belgium), together with Cathal O'Donoghue (Ireland). The Project was specifically targeting both the development of a general purpose dynamic microsimulation modelling toolbox (“LIAM2”<sup>3</sup>) and the improvement of administrative datasets in relation to the need for pension analysis in Luxembourg.

The project is now in its final stage, and main objective of the present conference is to disseminate its results with the scientific community. A part of the conference will thus be devoted to introducing researchers to the functionalities of LIAM2, and to present recent improvements of Luxembourg microeconomic administrative datasets to be used for pension analysis and microsimulation.

Finally, the conference wants to give participants an insight in recent research developments in microsimulation in European countries.

<sup>1</sup> The MiDaL project (December 2009 - November 2011), “*Towards the development of a dynamic Microsimulation toolbox « LIAM-II » and the complementary implementation of administrative Data needed for dynamic microsimulation of pensions in Luxembourg*” is supported by the European Community Programme for Employment and Social Solidarity - PROGRESS (2007-2013), under the Grant VS/2009/0569. At the national level, it is supported by the General Inspectorate for Social Security (IGSS).

<sup>2</sup> The MiDaL final conference is complementarily supported by the Luxembourg National Research Fund under the Grant FNR/11/AM3/44 and the IGSS.

<sup>3</sup> See <http://liam2.plan.be/> for more information.

**Organizers** : Gijs Dekkers (Federal Planning Bureau, Brussels, Belgium) and Philippe Liégeois (CEPS/INSTEAD, Esch-sur-Alzette, Luxembourg)

**Scientific Committee** : Gijs Dekkers (Federal Planning Bureau, Brussels, Belgium), Philippe Liégeois (CEPS/INSTEAD, Esch-sur-Alzette, Luxembourg), Cathal O'Donoghue (TEAGASC, Galway, Ireland) and Raymond Wagener (IGSS, Luxembourg)

**Place** : CEPS/INSTEAD

**Date** : 28<sup>th</sup> - 30<sup>th</sup> of November 2011

**Audience** : **Maximum 30 participants (due to limited places available in the computer room for the LIAM2 workshop)**

<b>PROGRAM</b>
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**Monday 28<sup>th</sup> of November (pm only)**

14:00–14:30 : *Welcome*

14:30–15:15 : *Combining administrative datasets for recomposing past career profiles*

Béatrice Lepêcheur (IGSS, Luxembourg)

15:15–16:00 : *Expanding the administrative IGSS Data-Warehouse with education attainments*

Nizamul Islam (CEPS/INSTEAD, Luxembourg)

16:00–16:30 : *Coffee break*

16:30–17:30 : *LIAM2, a user-friendly platform for the development of dynamic microsimulation models*

Gaëtan de Menten (Federal Planning Bureau, Belgium), Gijs Dekkers (Federal Planning Bureau, Brussels, Belgium)

**Tuesday 29<sup>th</sup> of November**

9:00–10:00 : *Keynote lecture – “Reflections on Dynamic Microsimulation Modelling: Where we are. Where to next?”*

Cathal O'Donoghue (President of the International Microsimulation Association)

10:00–10:45 : *The dynamic microsimulation model MOSART - An overview*

Nils Stolen (Statistics Norway)

10:45–11:00 : *Coffee break*

11:00–11:45 : *<To be announced>*

11:45–12:30 : *Using Dynamic Microsimulation Modelling for Short Term Policy Modelling in a Volatile Economy*

Cathal O'Donoghue (TEAGASC, Ireland)

12:30–14:00 : *Lunch (in CEPS/INSTEAD)*

14:00–14:45 : *A new dynamic microsimulation model for Belgium (MIDAS)*

Gijs Dekkers and Raphaël Desmet (Federal Planning Bureau, Belgium)

14:45–18:00 : *“Developing your own microsimulation model with LIAM2 : a workshop”*

Gaëtan de Menten, Geert Bryon, Gijs Dekkers, Raphaël Desmet (Federal Planning Bureau, Belgium)

... including : a *Coffee break*

19:00–22:00 : *Dinner*

**Wednesday 30<sup>th</sup> of November (am only)**

9:00–9:30 : *Imputing individual permanent heterogeneity in dynamic microsimulation models. A Monte Carlo analysis"*

Matteo Richiardi (University Torino, Italy)

9:30–10:00 : *SustainCity : the demographic module for simulating small areas population using the Modgen language.*

Sophie Pennec (INED, France)

10:00–10:30 : *A micro simulation model for the Spanish retirement pensions system*

Cio Paxtot (Instituto de Estudios Fiscales, Spain)

10:30–10:45 : *Coffee break*

10:45–11:00 : *Towards a pension model for Slovenia : an overview*

Boris Majcen (IER, Slovenia)

11:00–11:45 : *LIAM2 : questions and answers.*

11:45–12:00 : *Conclusions*